

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|  |   |                                    |
|--|---|------------------------------------|
| In re Application of:                            | ) |                                    |
|  | ) |                                    |
| <b>Michael Thess et al.</b>                      | ) |                                    |
|  | ) | Art Unit: <b>2165</b>              |
| Serial No. <b>10/673,040</b>                     | ) |                                    |
|  | ) | Examiner: <b>Neveen Abel Jalil</b> |
| Filing or 371(c) Date: <b>September 26, 2003</b> | ) |                                    |
|  | ) |                                    |
| For: <b>Method and Apparatus for Determining</b> | ) |                                    |
| <b>a Set of Large Sequences From an</b>          | ) |                                    |
| <b>Electronic Data</b>                           | ) |                                    |

## AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

## MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Madam:

Responsive to the final Office Action dated October 3, 2006, Attorney for the Applicants submits the following amendments and remarks. In light of these amendments and remarks, Attorney for the Applicants respectfully asserts that the all of the claims of the patent application are patentable, and that the application be allowed.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.


**Remarks** begin on page 9 of this paper.

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Certificate of Mailing

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I hereby certify that this correspondence is being electronically filed with the Commissioner for Patents, Mail Stop: Amendment on December 4, 2006.

  
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Christopher J. Chan - Reg. No. 44,070